Finding the roots of a quadratic equation

The real number roots of a quadratic formula $ax^2 + bx + c$ are:

$$x_1 = \frac{-b - \sqrt{b^2 - 4ac}}{2a}, x_2 = \frac{-b + \sqrt{b^2 - 4ac}}{2a}$$

Your Task

Write a program that accepts three real numbers a, b, and c to calculate the real number roots of the quadratic equation $ax^2 + bx + c = 0$.

Input

Three real numbers, a, b, and c, one value per line. All values of a, b, and c given to you should return two different real number roots.

Output

Two real number roots of the quadratic equation $ax^2 + bx + c = 0$, as follow:

- Display root x_1, then display root x_2.

- There should be 3 numbers after the decimal point. (You can use the function round for this. For example, round(2/3, 3) will return 0.667.)

Example

Input (from keyboard)	Output (on screen)
1.0 -5.0 6.0	2.0 3.0
1.0 -1 -42	-6.0 7.0
6 -4.0 -12	-1.12 1.786
20.0 -50.5 -21.2	-0.367 2.892